



IFW
PATENT

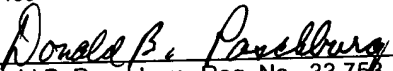
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Applicant: Comaniciu (et al)
Serial No.: 10/770,044
Filed: 02.02.04
Title: Real-Time Obstacle Detection with a Calibrated
Camera and Known Ego-Motion

Docket No.: 2003P01633US01
Examiner: not yet assigned
Group Art Unit: 2613
Date: September 21, 2004

CERTIFICATE OF MAILING

I hereby certify that correspondence is being deposited on Sept. 21, 2004 with the U.S. Postal Service with sufficient postage as first class mail on the below-indicated date in an envelope addressed to: Assistant Commissioner for Patents, Alexandria, VA 22313-1450


Donald B. Paschburg, Reg. No. 33,753

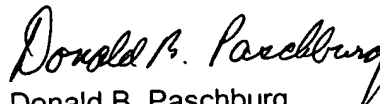
Mail Stop Patent Application
Assistant Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

The documents listed on the accompanying Form PTO-1449, and of which copies are enclosed, are hereby cited pursuant to 37 CFR §1.56, §1.97 and §1.98, for consideration in the examination of the above-identified application and for the purpose of having them made of record. These documents were cited in an International Search Report for a corresponding application. A copy of the Search Report is enclosed.

Respectfully submitted,


Donald B. Paschburg
Reg. No.: 33,753

Siemens Corporation
Intellectual Property Department
170 Wood Avenue South
Iselin, NJ 08830
Tel.No.: +1 (732) 321 3191

Enclosure:
VR



Form 616 449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 2003P01633 US01		Serial No. 10/770,044	
INFORMATION CITED BY APPLICANT (Use several sheets if necessary)				Applicant Dorin Comaniciu			
				Filing Date 02.02.04		Group 2613	
U.S. Patent Documents							
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if appropriate	
	6445809	9/3/2002	Sasaki et al	382	104		
Foreign Patent Documents							
	Document Number	Date	Country	Class	Subclass	Translation	
	EP1361543	11/12/2003					
Other Prior Art (including Author, Title, Date, Pertinent Pages, etc.)							
	ENKELMANN W: "OBSTACLE DETECTION BY EVALUATION OF OPTICAL FLOW FIELDS FROM IMAGE SEQUENCES" IMAGE AND VISION COMPUTING, GUILDFORD, GB, vol. 9, no. 3, June 1991 (1991—06), pages 160—168, XP009033182 ISSN: 0262—8856 the whole document						
	KRUGER W ET AL: "Real—time estimation and tracking of optical flow vectors for obstacle detection" INTELLIGENT VEHICLES '95 SYMPOSIUM. PROCEEDINGS OF THE DETROIT, MI, USA 25—26 SEPT. 1995, NEW YORK, NY, USA, IEEE, US, 25 September 1995 (1995—09—25), pages 304—309, XP010194134 ISBN: 0—7803—2983—X the whole document						
	ATTOLICO G ET AL: "Shape recovery of collision zones for obstacle avoidance" INTELLIGENT ROBOTS AND SYSTEMS '91. 'INTELLIGENCE FOR MECHANICAL SYSTEMS, PROCEEDINGS IROS '91. IEEE/RSJ INTERNATIONAL WORKSHOP ON OSAKA, JAPAN 3—5 NOV. 1991, NEW YORK, NY, USA, IEEE, US, 3 November 1991 (1991—11—03), pages 837—841, XP010047248 ISBN: 0—7803—0067—X the whole document						
	HU Z ET AL: "Tracking cycle: a new concept for simultaneous tracking of multiple moving objects in a typical traffic scene INTELLIGENT VEHICLES SYMPOSIUM, 2000. IV 2000. PROCEEDINGS OF THE IEEE DEARBORN, MI, USA 3—5 OCT. 2000, PISCATAWAY, NJ, USA, IEEE, US, 3 October 2000 (2000—10—03), pages 233—239, XP010528942 ISBN: 0—7803—6363—9 the whole document						
	THOMANEK F ET AL: "Obstacle Detection, Tracking And State Estimation For Autonomous Road Vehicle Guidance PROCEEDINGS OF THE IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS. RALEIGH, NC., JULY 7 - 10, 1992, NEW YORK, IEEE, US, vol. VOL. 1 - 7 July 1992 (1992—07—07), pages 1399—1406, XP010223197 ISBN: 0—7803—0738—0 page 1401, column 2 -page 1403, column 1						
	SANTOS—VICTOR J ET AL: "On the design of visual behaviors for autonomous systems "INDUSTRIAL ELECTRONICS, 1997. ISIE '97., PROCEEDINGS OF THE IEEE INTERNATIONAL SYMPOSIUM ON GUIMARAES, PORTUGAL 7—11 JULY 1997, NEW YORK, NY, USA, IEEE, US, 7 July 1997 (1997—07—07), pages SS53—SS59, XP010265139 ISBN: 0—7803—3936—3 page SS53, column 1 -page SS55, column 2						
Examiner				Date Considered			